

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicant: Bessette et al	*	
Serial No. (to be assigned)	*	
		Art Unit: 1615
Filed: (filed concurrently herewith	*	
		Examiner: (to be assigned)
For: PESTICIDAL ACTIVITY OF	*	
PLANT ESSENTIAL OILS	*	
AND THEIR CONSTITUENTS	*	

INFORMATION DISCLOSURE STATEMENT

To the Honorable Commissioner  
of Patents and Trademarks  
Washington, DC 20231

Dear Sir:

In accordance with 37 C.F.R. §1.56, applicant wishes to call the attention of the Examiner to  
the following references:

<u>Inventor(s)</u>	<u>U.S. Patent Nos.</u>
Hink et al	4,933,371
Eichoefer	5,118,506
Knight	5,439,690
Rod	5,653,991
Emerson et al	5,676,958

Foreign Patent Documents

<u>Country</u>	<u>Document No.</u>
Germany	DE 42 31 045 A 1

Other Documents

James A. Nathanson and Edward J. Hunnicutt, "N-DEMETHYLCHLORDIMEFORM A POTENT PARTIAL AGONIST OF OCTOPAMINE-SENSITIVE ADENYLATE CYCLASE"; Molecular Pharmacology, 20:68-75; February 5, 1981.

James A. Nathanson, "PHENYLIMINOIMIDAZOLIDINES CHARACTERIZATION OF A CLASS OF POTENT AGONISTS OF OCTOPAMINE-SENSITIVE ADENYLATE CYCLASE AND THEIR USE IN UNDERSTANDING THE PHARMACOLOGY OF OCTOPAMINE RECEPTORS"; Molecular Pharmacology, 28:254-268; June 5, 1985.

Joel M. Wierenga and Robert M. Hollingworth, "OCTOPAMINE UPTAKE AND METABOLISM IN THE INSECT NERVOUS SYSTEM"; Journal of Neurochemistry; June 29, 1989; pages 479-489.

A. Guillen et al, "A possible new class of octopamine receptors coupled to adenylate cyclase in the brain of the dipterous *Ceratitis capitata*. Pharmacological characterization and regulation of 3H-octopamine binding", LIFE SCI., Vol. 45, No. 7, 1989, pages 655-662.

W. Hertel et al, "The octopaminergic system of the invertebrates and its importance as insecticide target", BIOL. RUNDSCHAU, Vol. 27, No. 6, 1989, pages 307-317.

Coats, J. R. et al, "Toxicity and Neurotoxic Effects of Monoterpenoids in Insects and Earthworms", ACS SYMPOSIUM SERIES, 1991, pages 305-316.

JP 01 016 706 A (MIKASA KAGAKU KIGYO KK), "Non-Toxic Insecticide Composition", abstract.

JP 05 039 203 A (EARTH SEIYAKU KK), "Safe Miticidal Compositions Having No Residual Toxicity", abstract.

JP 04 091 003 A (JUMOKU CHUSHUTSUSEI), Acaracide Containing Alkyl- or Aralkyl Eugenol or Iso-eugenol", abstract.

JP 52 110 823 A (TAKASAGO PERFUMERY CO LTD),  
"Insecticides Containing a 10C Ether", abstract.

JP 02 049 703 A (UNIV KINKI GH), "Insecticidal Composition for  
Killing Thrips Insects", abstract.

JP 04 149 103 A (TAISHO PHARM CO LTD), "Acaricidal  
Composition to Control Indoor Dust Mites", abstract.

PATENT ABSTRACT OF JAPAN, JP 04 059703, Application No.  
02166735 (T. Hasegawa Co., Ltd.), abstract.

PATENT ABSTRACTS OF JAPAN, JP 59 222402 A, Application  
No. 58098489 (OTSUKA KAGU KOGYO KK), abstract.

Dev and Koul, "Insecticides of Natural Origin", Harwood Academic  
Publishers, Amsterdam 1997, pp. vii, viii, and 5 and 47-58.

Metcalf and McKelvey, Jr., editors, "The Future for Insecticides,  
Needs and Propects", Wiley-Interscience, New York, 1976, pp. 97-  
113.

King, W.V., Chemicals Evaluated as Insecticides and Repellents at  
Orlando, Fla., Agricultural Handbook No. 69, U.S. Dept. of  
Agriculture, 1954, pp. 1-19, 26, 174 and 255.

Applicant respectfully submits that the above-mentioned references taken alone or in  
combination neither anticipate nor render obvious the present invention. Consideration of the  
foregoing and the making of the references formally of record in the instant application is  
respectfully requested.

Copies of the references were submitted in the patent application, Serial No. 09/302,198 and are not enclosed herewith. Form PTO/SB/42 (6-95) is provided for the convenience of the Examiner.

Respectfully submitted,

Dec 18, 2001  
Date



Robert M. Gamson  
Reg. No. 32,986  
Attorney for Applicant

CERTIFICATE OF TRANSMITTAL

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, DC 20231.

Date: December 18, 2001

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J1021 U.S. PTO  
10/023145  
12/18/01

<b>37 CFR 1.501</b> <b>INFORMATION DISCLOSURE</b> <b>CITATION IN A PATENT</b> <i>(Use several sheets if necessary)</i>			Docket Number 21409-PA-CIP		Serial Number		
			Applicant Bessette et al				
			Issue Date		Group Art Unit		
<b>U.S. PATENT DOCUMENTS</b>							
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate	
	4,933,371	06/12/1990	Hink et al	514	739		
	5,118,506	06/02/1992	Eichoefer	424	196.1		
	5,439,690	08/08/1995	Knight	424	687		
	5,653,991	08/05/1997	Rod	424	406		
	5,676,958	10/14/1997	Emerson et al	424	405		
<b>FOREIGN PATENT DOCUMENTS</b>							
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						Yes	No
	DE 42 31 045 A 1		Germany				X
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
	James A. Nathanson and Edward J. Hunnicutt, "N-DEMETHYLCHLORDIMEFORM A POTENT PARTIAL AGONIST OF OCTOPAMINE-SENSITIVE ADENYLATE CYCLASE"; Molecular Pharmacology, 20:68-75; February 5, 1981.						
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	Metcalf and McKelvey, Jr., editors, "The Future for Insecticides, Needs and Projects", Wiley-Interscience, New York, 1976, pp. 97-113.
	King, W.V., Chemicals Evaluated as Insecticides and Repellents at Orlando, Fla., Agricultural Handbook No. 69, U.S. Dept. of Agriculture, 1954, pp. 1-19, 26, 174 and 255.

  

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